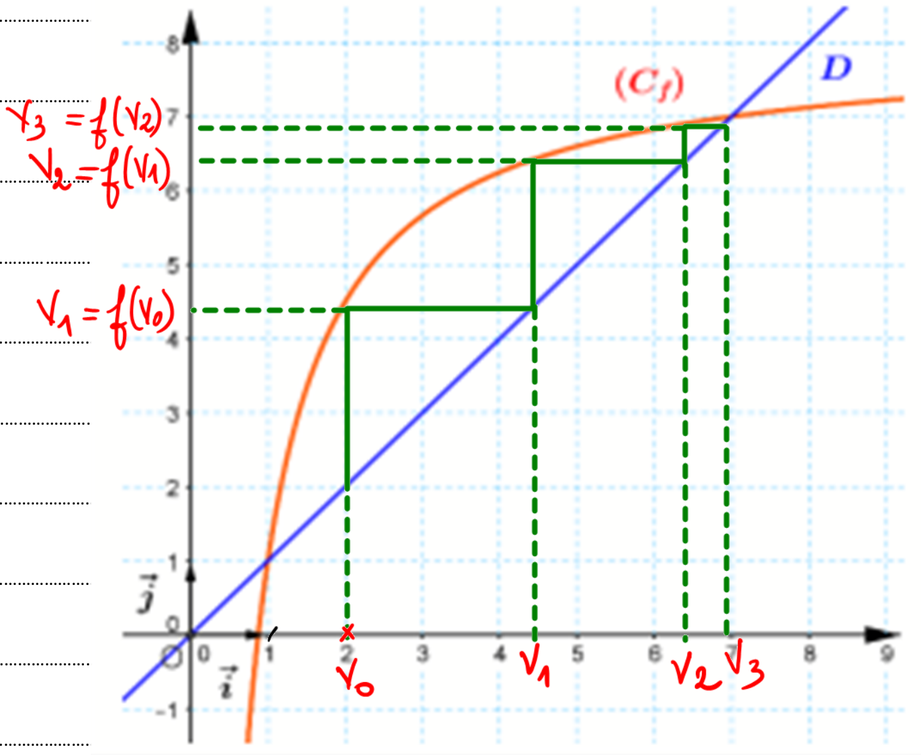
2°) $u_0 = 1$; $u_{n+1} = f(u_n)$ $\forall n \in \mathbb{N}^*$

- $u_1 = f(u_0) = f(1) = 1$
- $u_2 = f(u_1) = f(1) = 1$
- $u_3 = f(u_2) = f(1) = 1$
- $u_4 = f(u_3) = f(1) = 1$

$\Rightarrow$ la suite (u_n) est constante.

3) a)